



DEPARTMENT OF THE NAVY
NAVAL AIR SYSTEMS COMMAND
NAVAL AIR SYSTEMS COMMAND HEADQUARTERS
47123 BUSE ROAD, UNIT # 8
PATUXENT RIVER, MD 20670-1547

IN REPLY REFER TO

NAVAIRINST 13680.1A
AIR-3.6.1.3
14 April 1998

NAVAIR INSTRUCTION 13680.1A

From: Commander, Naval Air Systems Command

Subj: DEPOT LEVEL REWORK PROGRAM FOR SUPPORT EQUIPMENT END ITEMS

Ref: (a) NAVAIRINST 13650.1C
(b) NAVAIRINST 13670.1A
(c) OPNAVINST 4790.2F
(d) Federal Logistics Data CD-ROM (NOTAL)
(e) NAVAIRINST 4730.11A
(f) NAVAIRINST 13640.1A
(g) NAVAIRINST 4130.1C
(h) OPNAVINST 4614.1F
(i) SECNAVINST 5214.4B

1. Purpose. To establish policy, assign responsibilities and provide procedures within the Commander Naval Air Systems Command (COMNAVAIRSYSCOM) for the management and execution of depot level rework of Support Equipment (SE) end items.

2. Cancellation. This instruction supersedes Naval Air Systems Command (NAVAIR) Instruction 13680.1 of 16 Jan 1992. Since this is a major revision, changes are not indicated.

3. Background. The SE Depot Level Rework Program encompasses the total NAVAIR effort to ensure continued serviceability of SE end items. SE rework is scheduled, into a depot level maintenance Designated Rework Point (DRP), using the Support Equipment Resources Management Information System (SERMIS). Organic DRPs are Naval Aviation Depots (NAVAVNDEPOTs); Commercial DRPs are assigned by COMNAVAIRSYSCOM (3.6.1.3). SERMIS is also used for support of budget execution and requirements forecasting. Reference (a) provides for the effective SE management required of all levels of aviation maintenance and training activities under the Aircraft Maintenance Material Readiness List (AMMRL) Program. Reference (b) sets forth management policy and responsibility for Mobile Facilities.



S/N: 0808-LD-020-5460

14 Apr 98

Reference (c) provides policy and guidance concerning rework of SE items held by organic and commercial depot level maintenance activities and defines the terminology used in this instruction. Reference (d) lists those end items designated for depot level repair and their applicable Designated Supply Point. Reference (e) provides management policy and responsibility for budgeting and accomplishing the verification and certification of shipboard and shore site SE installations and reinstallation's. Reference (f) provides guidance for the repair of Calibration Standards (CS). Reference (g) provides procedures to be used to manage and maintain configuration control. Reference (h) addresses Force Activity Designator (FAD) used by the SE owning activity for ordering material support. Reference (i) addresses procedures for report structures. NOTE: The DRP will use the FAD of the owning activity when ordering material.

4. Scope. The Depot Level Rework Program for SE is comprised of the following maintenance actions: overhaul, calibration, repair, modification, verification and certification of SE end items. It encompasses funding, man-hour allocation, scheduling and reporting procedures for SE. All work follows appropriate Maintenance Plans (MPs), maintenance manuals or COMNAVAIRSYSCOM SE Depot Level Rework Specifications.

5. Definitions. Those terms not defined in reference (c).

a. Field Team. A team of specialists from the appropriate DRP that provides on-site SE depot level maintenance services.

b. Component Incidental Repair (Organic depot only). System component repairs not exceeding 10 percent of the total system man-hour expenditure (e.g. for a 100 hour Consolidated Automated Support System (CASS) system man-hour expenditure, up to 10 man-hours for 7R component repairs) can be considered "incidental".

6. Policy

a. Repair of SE will be accomplished, to the maximum extent possible, at the lowest authorized level of maintenance.

b. To be eligible for depot level support under the provisions of this instruction, the equipment must be an end item of aviation SE (2VX, 6RX, 2MX and 6MX Cog items) that has reached Maintenance Support Date (MSD) and is managed under the AMMRL program and:

(1) Beyond Capability of Maintenance (BCM) of the supporting Intermediate Maintenance Activity (IMA).

14 Apr 98

(2) An end item of SE designated for depot level repair by the User Logistics Support Summary (ULSS)/MP/Phase Support Plan or the Federal Logistics Data (reference (d)).

c. SE excluded from rework under the provisions of this instruction are:

(1) Items not approved or authorized by the AMMRL Program.

(2) Items coded consumable (field level repairables -1RD items).

(3) Naval Facilities Engineering Command cognizant items.

(4) Organic DRP SE.

(5) Calibration standards.

(6) Items coded component repair (7R/7E).

d. Program emphasis will be placed on the identification and resolution of problem areas that impede achievement of minimum Turn Around Time (TAT). Problems in organic DRPs will be addressed to COMNAVAIRSYSCOM, Assistant Commander for Logistics and Industrial Operations (AIR-3.0/6.0) for appropriate action. Changes in equipment assignment between DRPs will be approved by COMNAVAIRSYSCOM SE Depot Rework Program Manager (AIR-3.6.1.3) and Assistant Commander for Logistics and Industrial Operations (AIR-3.0/6.0). Support Equipment Controlling Authority (SECA) requests to rework items not assigned a DRP will be sent to Naval Air Warfare Center Aircraft Division Lakehurst (NAVAIRWARCENACDIVLKE) (Code 11X710B) for action with information copies to COMNAVAIRSYSCOM (AIR-3.6.1.3 and AIR-6.0) for review and disposition.

e. Depot level repair, verification and certification requirements for avionics and installed SE will be satisfied by either the induction of the SE into the appropriate DRP or by on-site field team repair.

f. COMNAVAIRSYSCOM (AIR-3.0/6.0) will assign organic DRPs for SE end items qualifying under the Depot Level Rework Program.

g. In-use SE delivered to a DRP will remain in the controlling/reporting custody of the customer activity.

h. Naval Inventory Control Point (NAVICP) "F" stock SE assets will be repaired under the provisions of this instruction

14 Apr 98

based on Source Maintenance and Recoverability (SM&R) code and fleet requirements.

i. Funding for repair of organic DRP SE will be provided via a NAVCOMPT 2276A, Order For Work And Services/Direct Citation).

j. Customer service will be used for repair and testing of SE (Slings, Jacks) and non-Aviation Depot Level Repairable (AVDLR) components that can be removed from the end item. Such items will be inducted using OPNAV 4790/36A, Work Request Customer Service, with a funded NAVCOMPT 2276A, or other acceptable funding document. The IMA should contact the organic DRP for a cost estimate to facilitate completion of the NAVCOMPT 2276A.

7. Responsibility

a. COMNAVAIRSYSCOM (AIR-3.6.1.3) will:

(1) Provide Depot Level Rework Program policy guidance for SE.

(2) Act as primary point of contact for matters concerning SE rework within COMNAVAIRSYSCOM.

(3) Establish criteria for the identification of depot level rework requirements.

(4) Ensure the organic Depot Level Rework Program for SE is effective.

(5) Ensure the commercial Depot Level Rework Program for SE is effective and in concert with In-Service Engineering, NAVAIRWARCENACDIVLKE policy.

(6) Prescribe the budgetary format and review budget submissions.

(7) Approve SE Rework Specifications.

(8) Negotiate SE program man-hour requirements with the SECAs and DRPs for depot level maintenance hours, as required for Program Objective Memorandum (POM) inputs. These inputs will be entered into SERMIS during the Fiscal Year (FY) funding/hour requirements meeting.

b. SECAs will:

(1) Manage the overall program for their activities.

14 Apr 98

(2) Provide the coordination/scheduling for the SE update/rework, verification and certification effort.

(3) Determine the validity of all depot level rework requirements submitted by customer activities (based on locally developed criteria), prior to scheduling.

(4) Resolve problems concerning SE rework priorities for the owning activities.

(5) Participate in the resolution of rework scheduling problems.

(6) Direct expeditious shipment of SE to assigned DRP.

(7) Manage, Level Of Effort (LOE), requirements for assigned activities.

(8) Provide Ready-For-Use (RFU), Weapons Replaceable Assemblies (WRAs) for SE verification and certification prior to field team arrival. SECAs will also provide WRAs and calibration test equipment for major reinstallation of SE systems during on-board rework, update, verification and certification.

(9) Delete repair action requirements and re-induct the equipment for overhaul, in SERMIS, upon notification by organic DRPs following an Examination and Evaluation (E&E).

(10) Provide weekly SERMIS Production Status Reports, to their AMMRL Activity Identifier (AAI) activities, listing the SE schedule. Items that are completed, surveyed or deleted will remain on the report for 30 days prior to moving to the history file. The reporting requirements required by reference (a) and this instruction are exempt from reports controlled by reference (i).

(11) Participate in the alignment of funding and update of scheduling for the current FY funding/workload.

c. Naval Inventory Control Point Philadelphia (NAVICP-P) will:

(1) Maintain the list of NAVICP-P managed contracts via inputs to the SERMIS Depot Up Date (DRPUPDT) screen. SECAs will schedule to the appropriate DRP. NAVICP-P will ensure funding is in place prior to scheduling.

(2) Issue a new control number when notified by an organic DRP that an end-item of SE, inducted from NAVICP-P controlled "F" stock, is determined to be a "G" condition

14 Apr 98

candidate, and is ready for re-induction. NAVICP-P (Code 03323) will validate the requirement prior to issuing the new control number. If the requirement is no longer valid, NAVICP-P (Code 03323) will advise the organic DRP to return the item to "F" stock for scheduling when a valid requirement exists. At no time will SE inducted under this instruction be placed in "G" condition.

d. Organic DRPs will:

(1) Establish capabilities to process items of SE, per assignments contained in the Master Component Rework Control file as assigned by COMNAVAIRSYSCOM (AIR-6.0).

(2) Provide adequate capability and capacity to support the SE workload schedule.

(3) Enter the serial number of all SE inducted from NAVICP-P controlled "F" stock on the SERMIS report. In the event there is no serial number, obtain a serial number from In-Service Engineering, NAVAIRWARCENACDIVLKE (Code 4.0). The serial number will be permanently affixed to the unit, in a conspicuous location.

(4) Provide field teams for on-site SE rework as scheduled by the appropriate SECA, in SERMIS.

(5) Enter into SERMIS, on a weekly basis (no later than close of business Thursday) until the conclusion of individual field team assignment, the man-hours expended for each SE item worked on site (e.g. updated/repaired/verified).

(6) Use NAVAIR approved SE Rework Specifications to process SE scheduled for overhaul.

(7) Enter, upon receipt, the date received for overhaul/repair, into SERMIS. Notify the SECA upon E&E determination of an overhaul requirement.

(8) Obtain approval from the assigned SECA prior to returning any equipment that is not in RFU condition.

(9) Verify the National Item Identification Number (NIIN) and serial number of equipment received is identical to the item scheduled. Misidentified equipment will not be inducted prior to SERMIS update by the appropriate SECA.

(10) Inform the cognizant SECA, by naval message (with information copies to the owning activity), when equipment appears to have been abused or cannibalized. This report should

14 Apr 98

include the NIIN, nomenclature, control number, serial number of the unit(s), and an itemized list, by National Stock Number (NSN), of missing major parts/ancillary equipment/AVDLR components.

(11) Follow SECA approved disposition instructions for survey of 2VX, 6RX, 2MX and 6MX Cog end items.

(a) Ship items identified in SERMIS for Support Equipment Reclamation Program (SERP), to: "SERP", NAVAIR Support Equipment Facility (UIC 68778), Bldg 105, Solomons, MD 20688. Clearly mark/tag "Surveyed".

(b) Items returned to the owning activity for survey will be clearly marked/tagged "Beyond Economical Repair."

(c) When DRP is directed to complete survey, turn item into the local Defense Reutilization and Marketing Office (DRMO) per local instructions.

(12) When "in-use" assets require repair/overhaul, return item to the AAI assigned in SERMIS. Ensure the required OPNAV 4790/51, SE Custody and Maintenance History Record, is firmly affixed (in a waterproof envelope) to the item of SE prior to protective packaging. Provide shipping data via naval message, to all concerned, for equipment being returned to Continental United States (CONUS) activities or as requested by the SECAs.

(13) Incorporate only depot level Support Equipment Changes (SECs) during repair/overhaul. Organizational/Intermediate level SECs will be incorporated only when they affect safety or are required for compatibility to install a depot level SEC. Report incorporation of SECs per reference (g). Coordinate with COMNAVAIRSYSCOM (AIR 3.1) for issue of controlled SEC kits to support the SE Rework Program.

(14) Advise the assigned SECA/customer activity of equipment received for rework that is missing using PNAV 4790/80, SE Rework Schedule Request, an OPNAV 4790/58, Meterology Equipment Recall and Report (METER) Card or an OPNAV 4790/51, as applicable. Naval Air Pacific Repair Activity (NAPRA) will advise the appropriate area commander.

(15) Notify NAVICP-P (Code 03323) of the control number assigned to an end item of SE, inducted from "F" stock, that is determined to be a "G" condition candidate. When the item is ready for re-induction, contact NAVICP-P (Code 03323) for a new control number. NAVICP-P (Code 03323) will review the requirement and if still valid, issue a new control number. If

14 Apr 98

no valid requirement exists, return the item to "F" condition stock for scheduling when a requirement exists.

(16) Contact the owning SECA for a control number or disposition instructions, when SE inducted for calibration requires repair beyond 59 minutes.

e. NAPRA will:

(1) Arrange for the commercial DRP induction of scheduled SE, as directed by the SECA, and monitor rework quality and performance.

(2) Retain a copy of the contractor's cost proposal for each unit of SE inducted into commercial rework.

f. NAPRA Detachment Naples will coordinate all Contractor Field Team (CFT) movements and arrange all transportation between the permanent CFT site at Rota, Spain to any location in the European theater or Middle East as directed by the SECA.

g. NAVAVNDEPOT North Island, Product Support Directorate (Code 4.8) will:

(1) Prepare, update and distribute SE Rework/Overhaul Specifications as directed by COMNAVAIRSYSCOM (AIR-3.6.1.3).

(2) Review, update and distribute SE Rework/Overhaul Specifications prepared by the Original Equipment Manufacturer (OEM) or other government activities.

h. Fleet Support Team will:

(1) Provide technical interface with the DRPs by providing up-to-date SE drawings and technical publications upon request.

(2) Respond to Engineering Change Proposals, waivers and deviations submitted by DRPs in a timely fashion.

(3) Provide technical support to NAVICP-P at pre-award and post-award conferences in support of SE rework commercial contracts.

(4) Assign serial numbers to equipment when requested by field activities. (Field activities will address the request to: NAVAIRWARCENACDIVLKE, Lakehurst, NJ, Attention: Code (11X710B)).

(5) Review new procurement SE Depot Level Rework Specifications and distribute as directed by COMNAVAIRSYSCOM (AIR-3.6.1.3).

i. Reporting Activities will:

(1) Submit three copies of OPNAV 4790/80 as follows: original to their SECA, one copy to the assigned DRP and one copy attached to the unit when shipped.

(2) Initiate shipment/delivery of SE approved for depot level rework using DD 1149, Requisition and Invoice/Shipping Document.

(3) Ensure all AVDLRs are installed, on the end item, prior to shipment or provide a DD 1348, DOD Single Line Item Requisition System Document, showing a change in the shipping address for missing AVDLRs transferring them to the organic DRP.

(4) Submit a naval message to the SECA, in addition to a Quality Deficiency Report, when equipment is received in unsatisfactory condition. The message will include SE rework control number, rework activity and a narrative statement describing major discrepancies that require correction by the last rework activity. The SECA may notify other appropriate commands listing discrepancies.

(5) If receipt of shipped SE is not reported in the SERMIS activity report by a DRP within 30 days, investigate and, if appropriate, initiate supply tracer action.

(6) Advise SECA of SE with an assigned control number when rework is no longer required.

8. Procedures. The following procedures apply to depot level rework:

a. In-use SE requirements.

(1) Reporting activities will submit rework requests to cognizant SECA for review and appropriate action on OPNAV 4790/80 or by naval message for urgent rework/unscheduled requirements.

(2) DRPs will inform the cognizant SECA when SE is received by the DRP with missing or cannibalized AVDLR components. SE will not be inducted until replacement AVDLR is received, or a DD 1348 showing order/transfer of the missing AVDLR and supplemental shipping address or SECA direction/authorization.

14 Apr 98

(3) Deployed air capable ships will submit SE rework requirements to reach the SECA 45 days prior to return to CONUS.

b. On-Site Rework Requirements.

(1) When installed SE is impractical to transport, rework may be accomplished on-site by a DRP field team. SECAs will issue a control number and schedule on-site LOE in SERMIS. SECAs will coordinate boarding/arrival dates required to meet operational requirements prior to field team deployment.

(2) On-site rework will be requested by placing an "X" in either the Repair or Overhaul block, of the OPNAV 4790/80 and listing the discrepancies requiring a DRP field team for routine repairs and scheduled overhauls. The field team will request a copy of the OPNAV 4790/80 prior to work commencement. The requesting activity will mail a copy to the SECA.

(3) On-site repair of 2VX, 6RX, 6MX and 2MX Cog end items will be billed against SE LOE hours. System components removed for repair should not exceed 10 percent of the total man-hours expended per system, (e.g. for a 100 hour VAST system man-hour expenditure, up to 10 man-hours for 7R component repairs can be considered "incidental").

c. Authorization for Depot Rework and Shipping Instructions.

(1) The control number issued by the SECA, in SERMIS, constitutes the authority for shipping and rework of a particular item of SE. The control number will be provided by the SECA, using either the SERMIS generated activity shipping schedule or a naval message response to an urgent rework request. The assigned control number and Transportation Accounting Code (TCN), of the owning SECA, must be included on all shipping documents and correspondence.

(2) The activity shipping schedule provides the Julian date each item of SE is due at the DRP, or the field team is due on-site. Activities will ship the items to arrive at the DRP NOT LATER THAN the assigned due date.

(3) Ensure SE is shipped, complete, with all accessories (except as restricted by current directions for the specific equipment). A completed OPNAV 4790/80, OPNAV 4790/51 and/or OPNAV 4790/58 must accompany each item of SE. Ensure all outstanding turn-in documents for AVDLRs are included. Include applicable records with a comprehensive, descriptive list of work to be accomplished. Attach the above documents securely (in a water-proof envelope), to the item of SE being shipped, prior to packaging.

(4) Annotate Requisition and Invoice/Shipping Documents (DD-1149), for SE shipments to organic DRPs, as follows:

NAVAVNDEPOTS: "ATTENTION NAVAVNDEPOT SE REWORK PROGRAM"

NAF ATSUGI: "NAPRA SERF"

NAF NAPLES: "NAPRA Detachment Naples"

NAVICP (PHIL): Address as listed in SERMIS

(5) Annotate DD-1149, for SE shipments to commercial DRPs, and address to the specific commercial DRP listed in SERMIS with the assigned control number.

9. Forms

a. The following forms are available in the Navy Supply system and may be requisitioned per NAVSUP P-2002D.

<u>FORM NUMBER</u>	<u>TITLE</u>
DD 1149	Requisition and Invoice/Shipping Document, Stock Number (S/N) 0102-LF-015-8500
DD 1348	DOD Single Line Item Req. System. Document S/N 0102-LF-014-1600
NAVCOMPT 2276A	Order For Work and Services, S/N 0104-LF-010-3700
OPNAV 4790/36A (10-74)	Work Request Customer Service, S/N 0107-LF-047-9180
OPNAV 4790/51 (8/88)	SE Custody/Maintenance History Record, S/N 0107-LF-003-3900
OPNAV 4790/80 (10-92)	SE Rework Schedule Request S/N 0107-LF-014-9700

b. OPNAV 4790/58 (5-75), Metrology Equipment Recall and Report(METER) Card is automatically distributed to Measure Operational Control Center, Norfolk, VA and San Diego, CA.


J. V. CHENEVEY
By direction

Distribution: (2 copies each unless otherwise indicated)
SNDL: 24A1; 24D1; 24JI; 24J2; 29B1; 31G2; 31H1; C31J; 42A1; 42D2; 46B; A3; C58D; FA50; A6; FA7; FB7; FBIO; FC4; FC7; FC14; 42FF1; FKAIA; AIR-3.6.1.3; FKA1B; FKA1C; FKR1A; FKR1C; FKR6A; FKR6B;

NAVAIRINST 13680.1A

14 Apr 98

FKR7A; FR3; FR4; FR5; FT1; FT2; FT51; FT6; FT10; FT12; FT13; FT16
(CORPUS CHRISTI); FT55; FT90; FT91; V3; V4; V6; V22

Copy To: (2 copies each unless otherwise indicated)

SNDL: A3(OP-N81, OP-0931); A6; C21 (1 COPY); FKA1A(AIR-00D); A/L
(1 COPY); PMA 260; AIR-3.1; AIR-3.6.1.3 (20 COPIES); AIR-7.2.5 (3
COPIES); NPPSO-NDW C/L (1 COPY); FKR1B

Stocked: Defense Distribution Depot Susquehanna Pennsylvania,
Bldg 05, 5450 Carlisle Pike, Mechanicsburg, PA 17055-0789